

HEAT TREATMENT DETERMINING METHOD AND HEAT TREATMENT DETERMINING APPARATUS OF

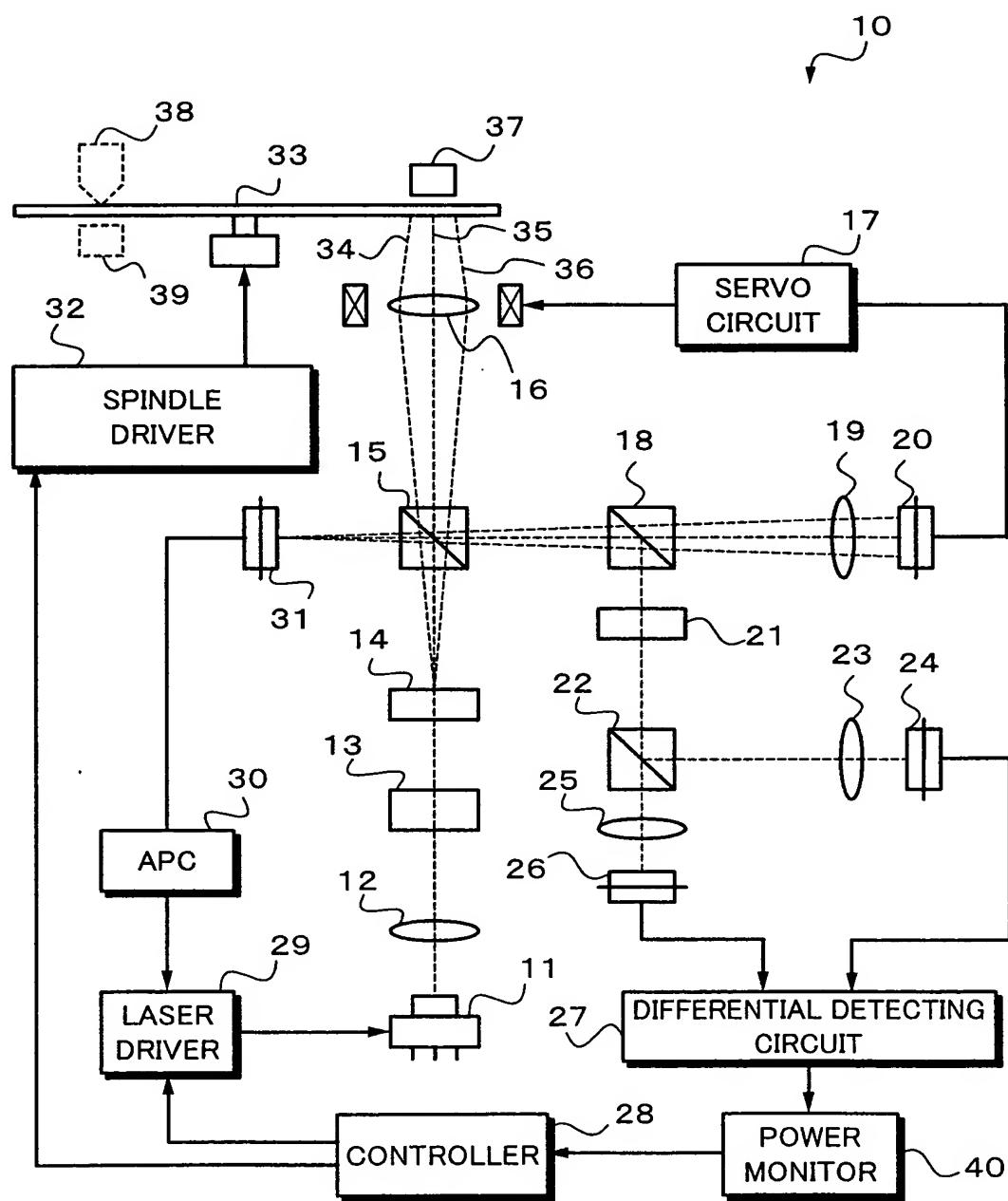
MAGNETO-OPTIC INFORMATION RECORDING MEDIUM

Inventor: TANAKA, Yasuhito et al.

Docket No. 075834.00552

Robert J. Depke, Trexler, Bushnell, Giangiorgi, Blackstone & Marr Ltd. (312) 704-1890

**Fig. 1**



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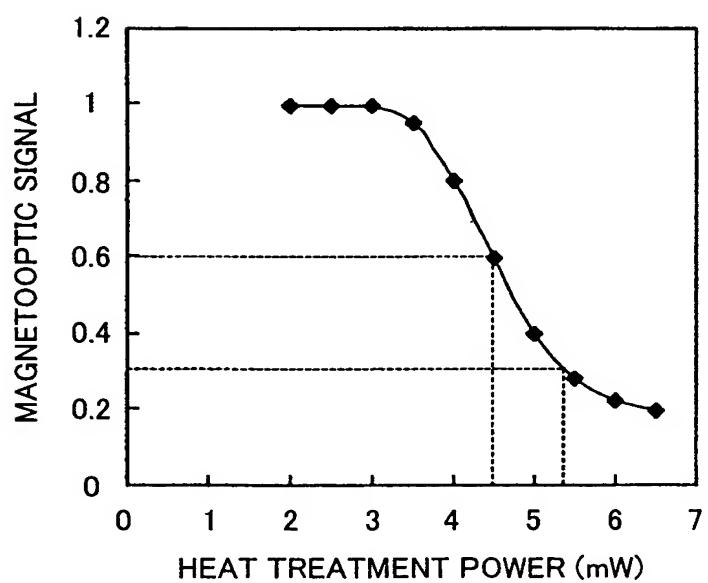
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*Fig. 2*



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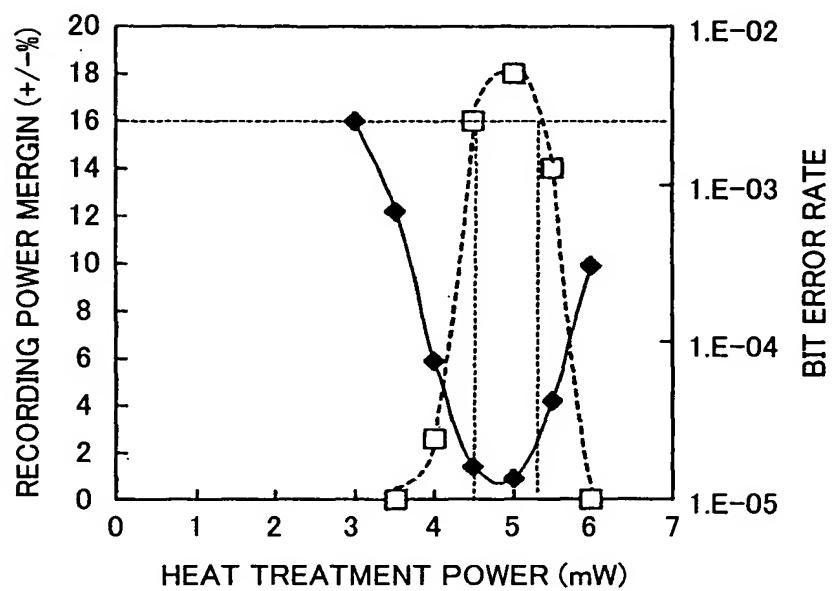
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***Fig. 3***



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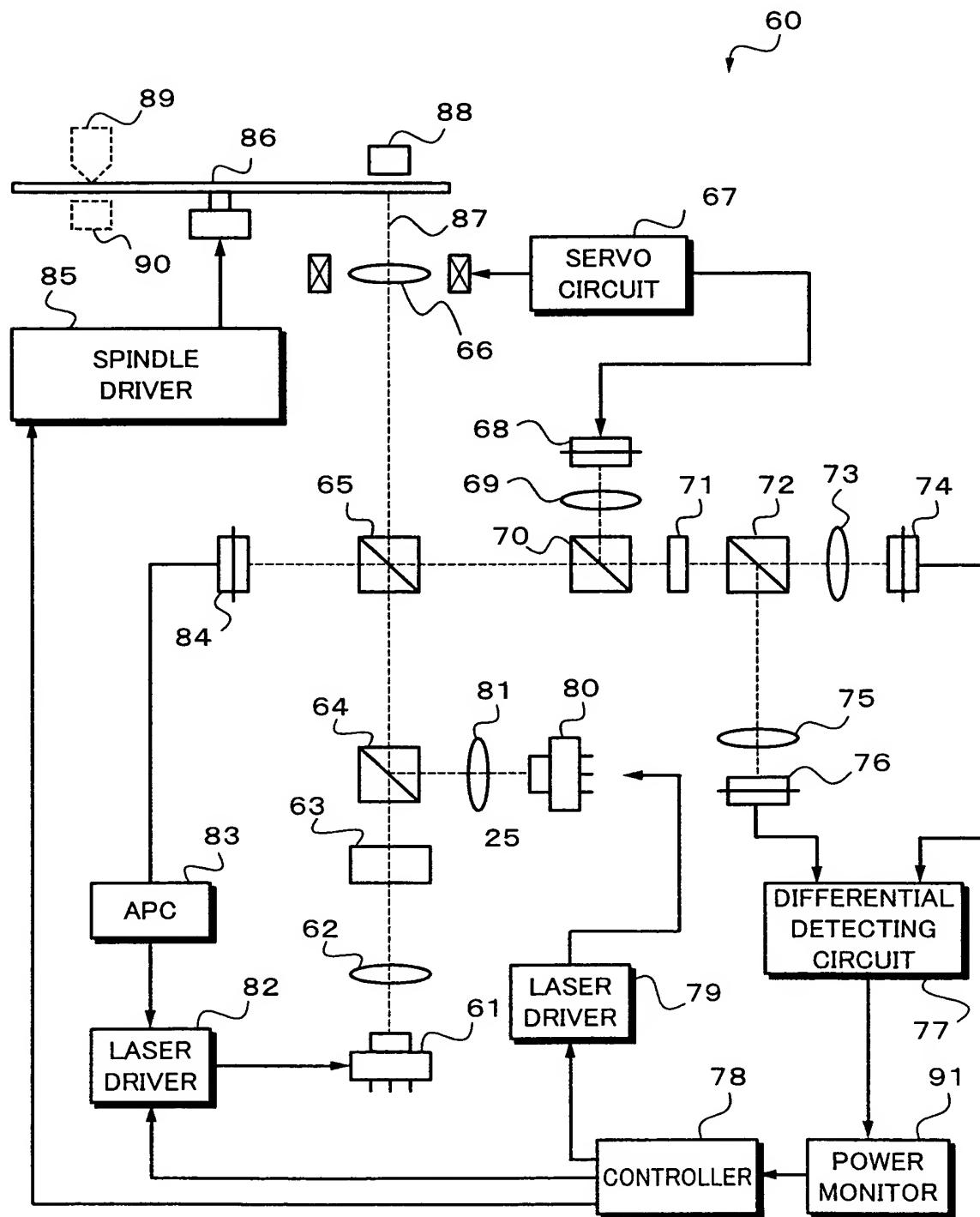
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*Fig. 4*



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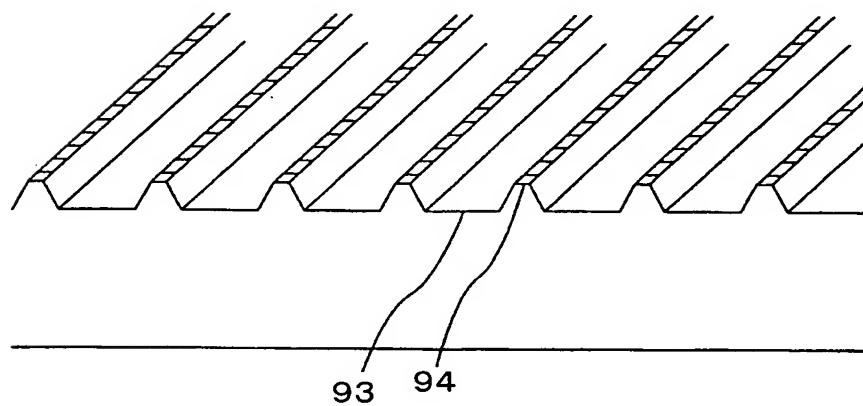
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***Fig. 5***



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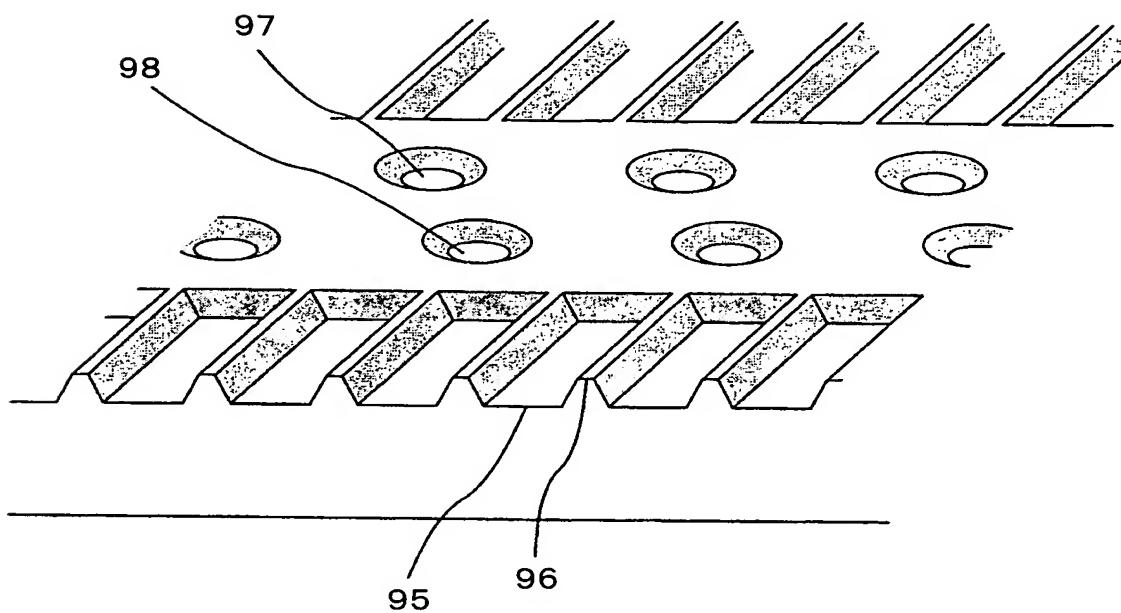
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*Fig. 6*



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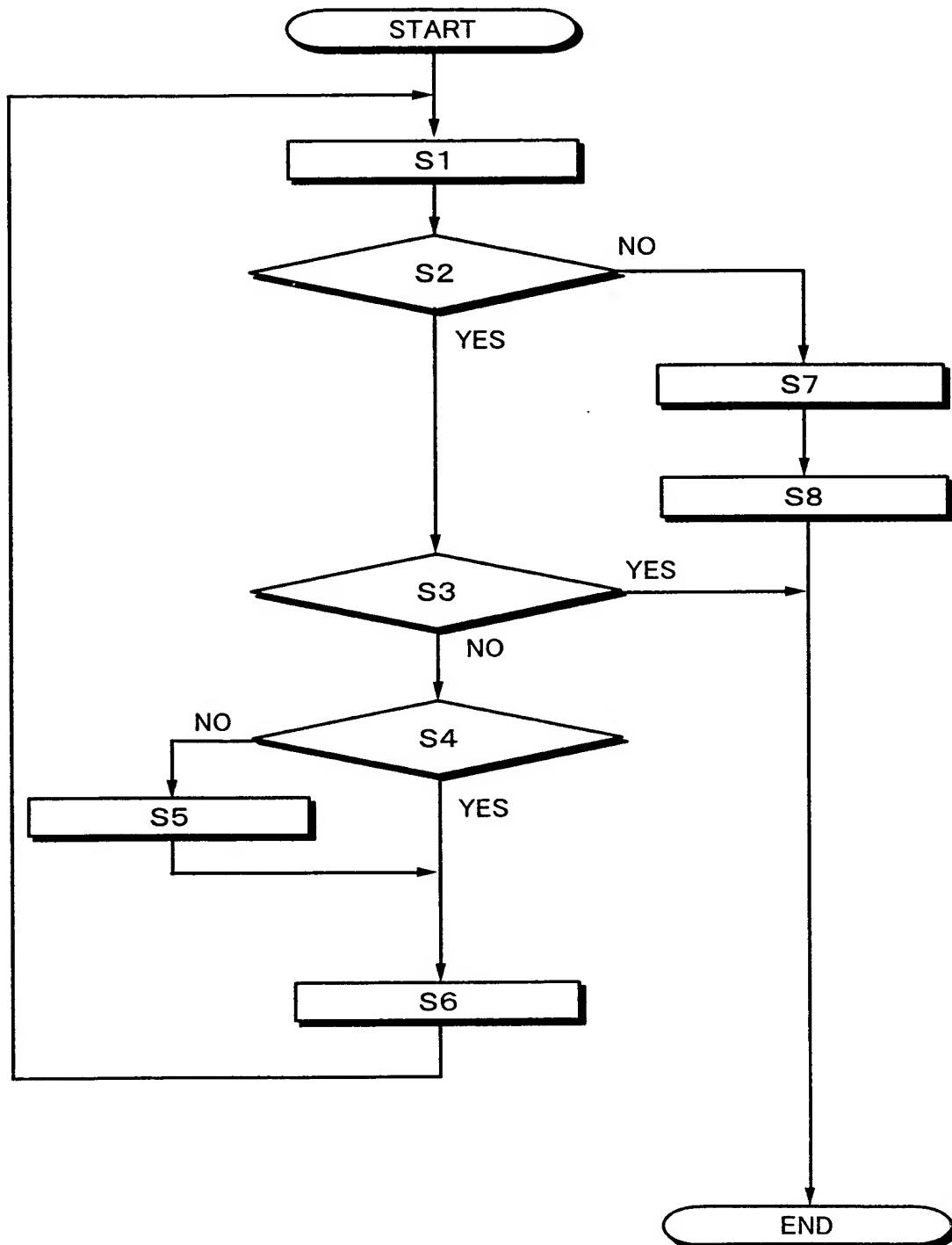
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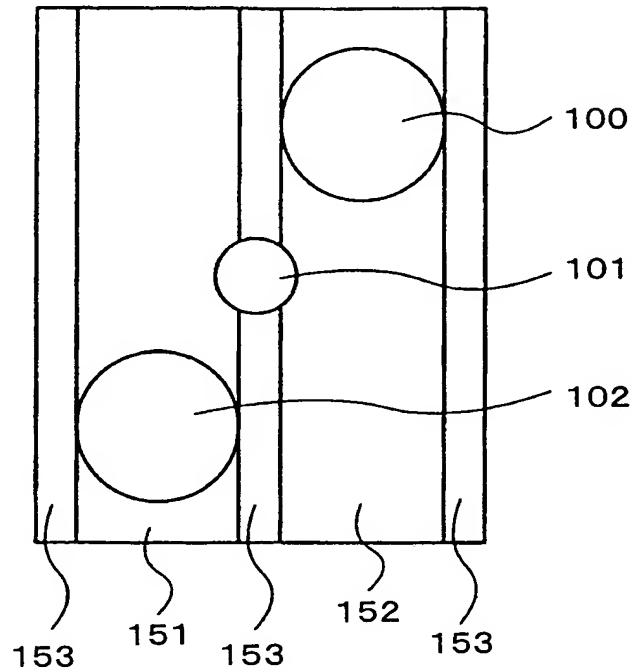
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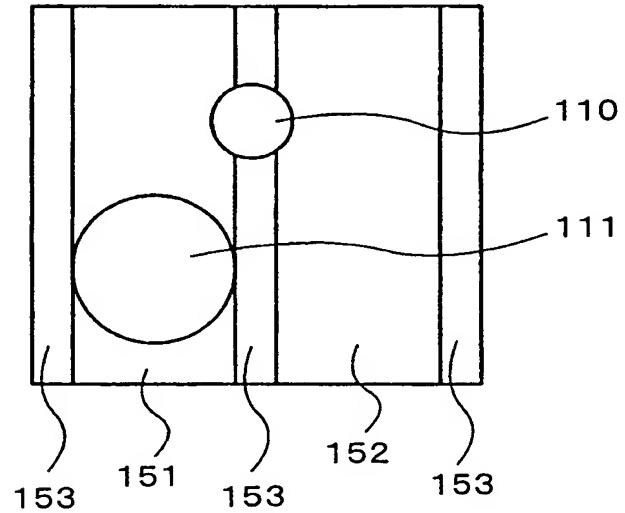
*Fig. 7*



**Fig. 8A**



**Fig. 8B**



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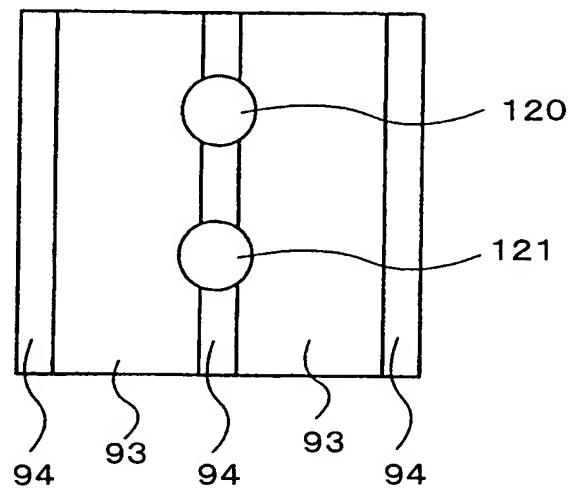
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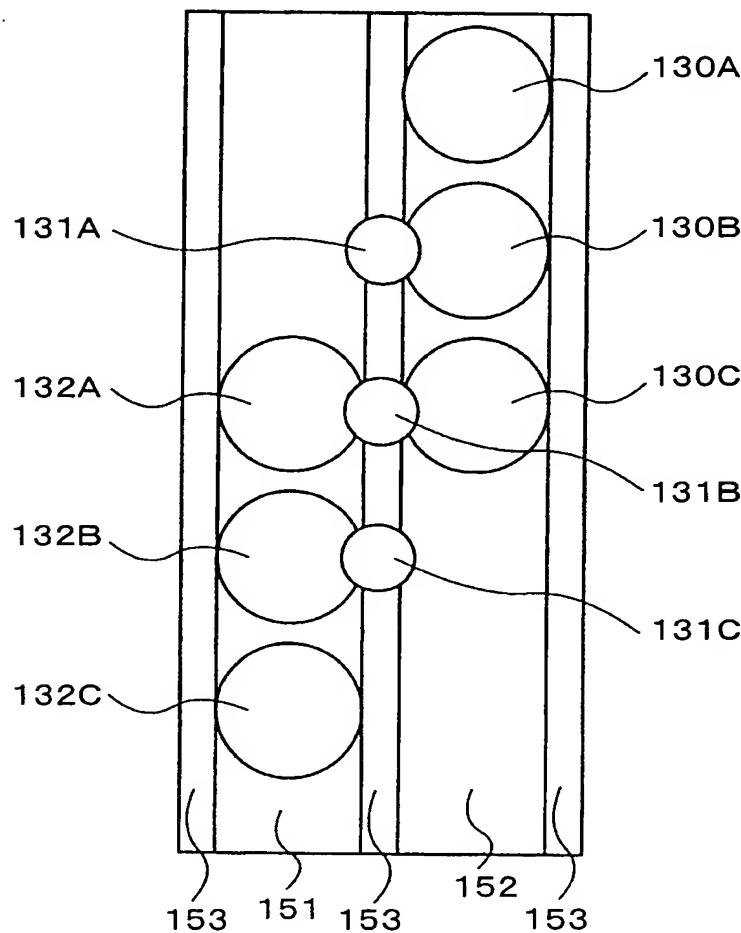
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**Fig. 9A**



**Fig. 9B**



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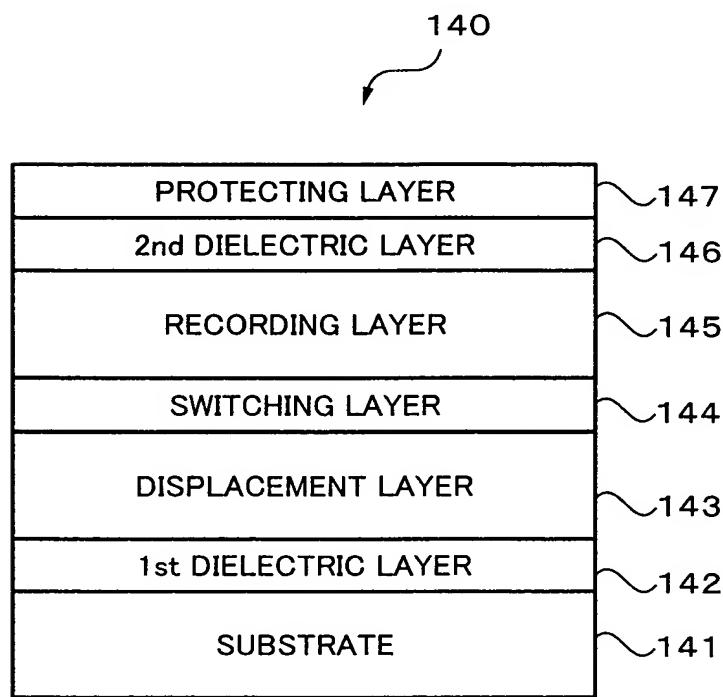
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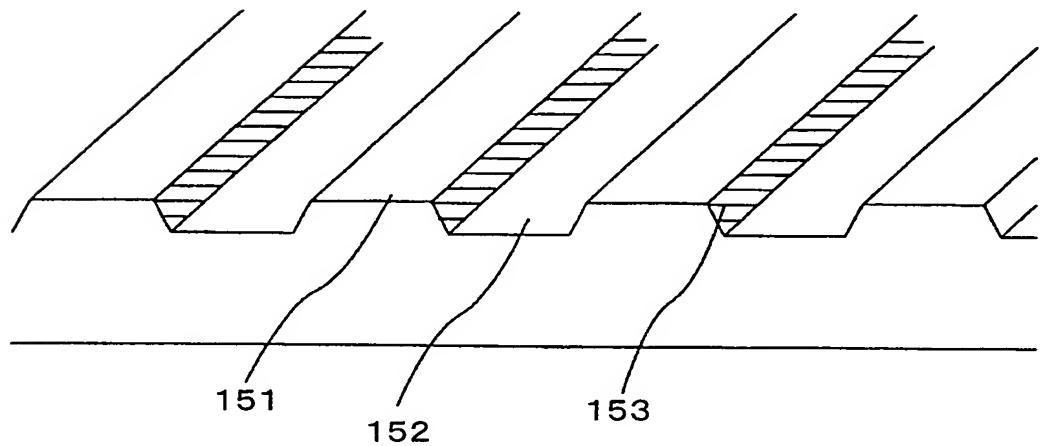
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***Fig. 10***



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**Fig. 11**



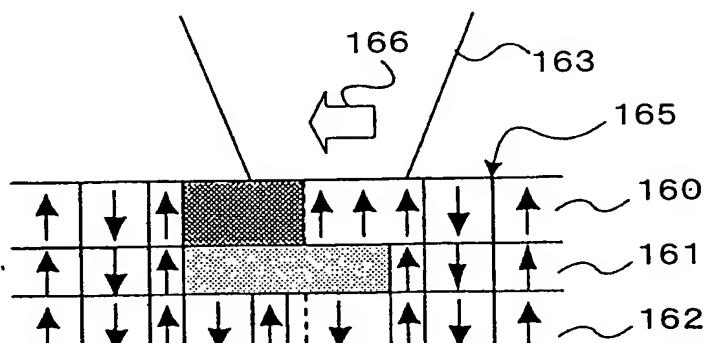
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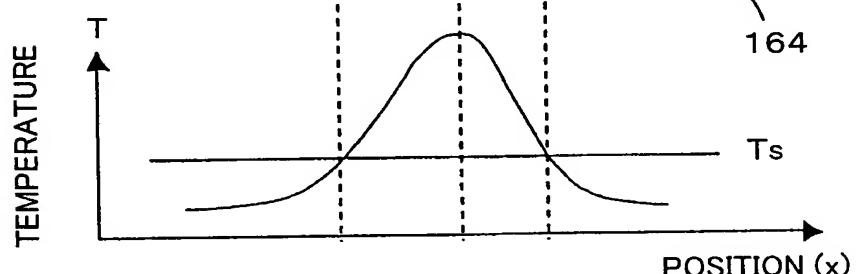
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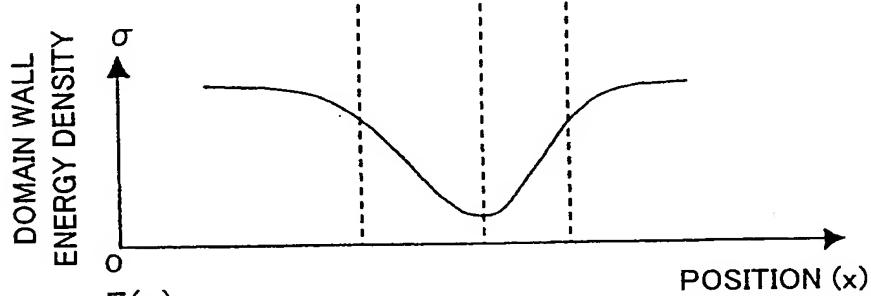
**Fig. 12A**



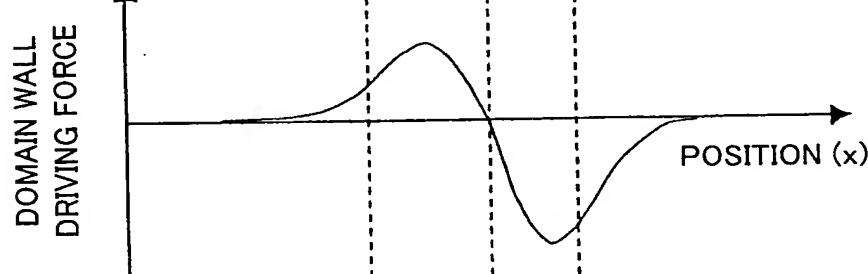
**Fig. 12B**



**Fig. 12C**



**Fig. 12D**



**Fig. 12E**



### DESCRIPTION OF REFERENCE NUMERALS

- 10 HEAT TREATMENT DETERMINING APPARATUS
- 11 LD
- 12 COLLIMATOR
- 13 SHAPING PRISM
- 14 DIFFRACTION GRATING
- 15 BEAM SPLITTER
- 16 OBJECTIVE LENS
- 17 SERVO CIRCUIT
- 18 BEAM SPLITTER
- 20 PHOTODETECTOR
- 21  $\lambda/2$  PLATE
- 22 BEAM SPLITTER
- 24 PHOTODETECTOR
- 26 PHOTODETECTOR
- 27 DIFFERENTIAL DETECTING CIRCUIT
- 28 CONTROLLER
- 29 LASER DRIVER
- 60 HEAT TREATMENT DETERMINING APPARATUS
- 61 LD
- 62 COLLIMATOR
- 63 SHAPING PRISM
- 65 BEAM SPLITTER
- 66 OBJECTIVE LENS
- 67 SERVO CIRCUIT

68 PHOTODETECTOR  
70 BEAM SPLITTER  
72 BEAM SPLITTER  
74 PHOTODETECTOR  
76 PHOTODETECTOR  
77 DIFFERENTIAL DETECTING CIRCUIT  
78 CONTROLLER  
79 LASER DRIVER  
80 LD  
82 LASER DRIVER  
S1 DETECT LEVEL OF MAGNETOOPTIC SIGNAL OF HEAT TREATMENT PORTION  
S2 WITHIN PERMISSIBLE RANGE?  
S3 DETERMINATION FINISHED?  
S4 PREDETERMINED RANGE?  
S5 CHANGE HEAT TREATMENT POWER  
S6 MOVE TO NEXT DETECTING AREA  
S7 NOTIFY OF ALARM  
S8 STOP PRECEDENT HEAT TREATMENT